EMC4@FTBF 2/2017

For comparison of Kuraray SCSF78 and St-Gobain BCF-12 fiber

HV for gain= 2.30E+05	HV for gain= 1.15E+05	equiv tower #	JH HBD-DAQ CH #	Steve controller ch #'s
69.19	68.21	61	19	16
69.19	68.21	60	18	17
69.21	68.23	53	17	18
69.20	68.22	52	16	19
69.37	68.39	45	23	20
69.36	68.37	44	22	21
69.40	68.42	37	21	22
69.38	68.40	36	20	23
69.32	68.34	29	27	24
69.30	68.32	28	26	25
69.34	68.35	21	25	26
69.33	68.34	20	24	27
69.10	68.12	13	31	28
69.08	68.10	12	30	29
69.11	68.13	5	29	30
69.11	68.12	4	28	31

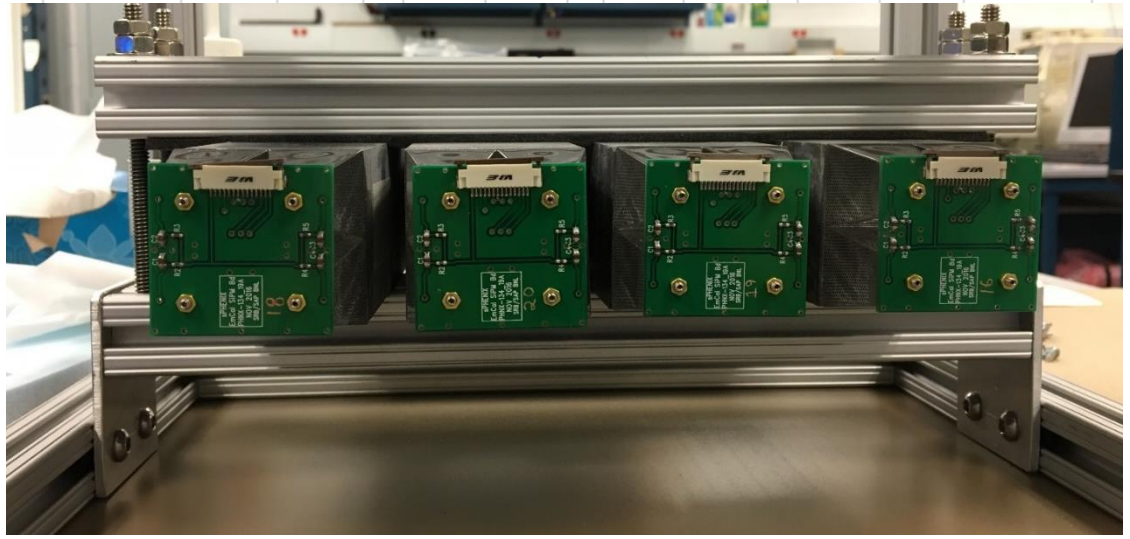
(looking downstream)

HBD ch #'s

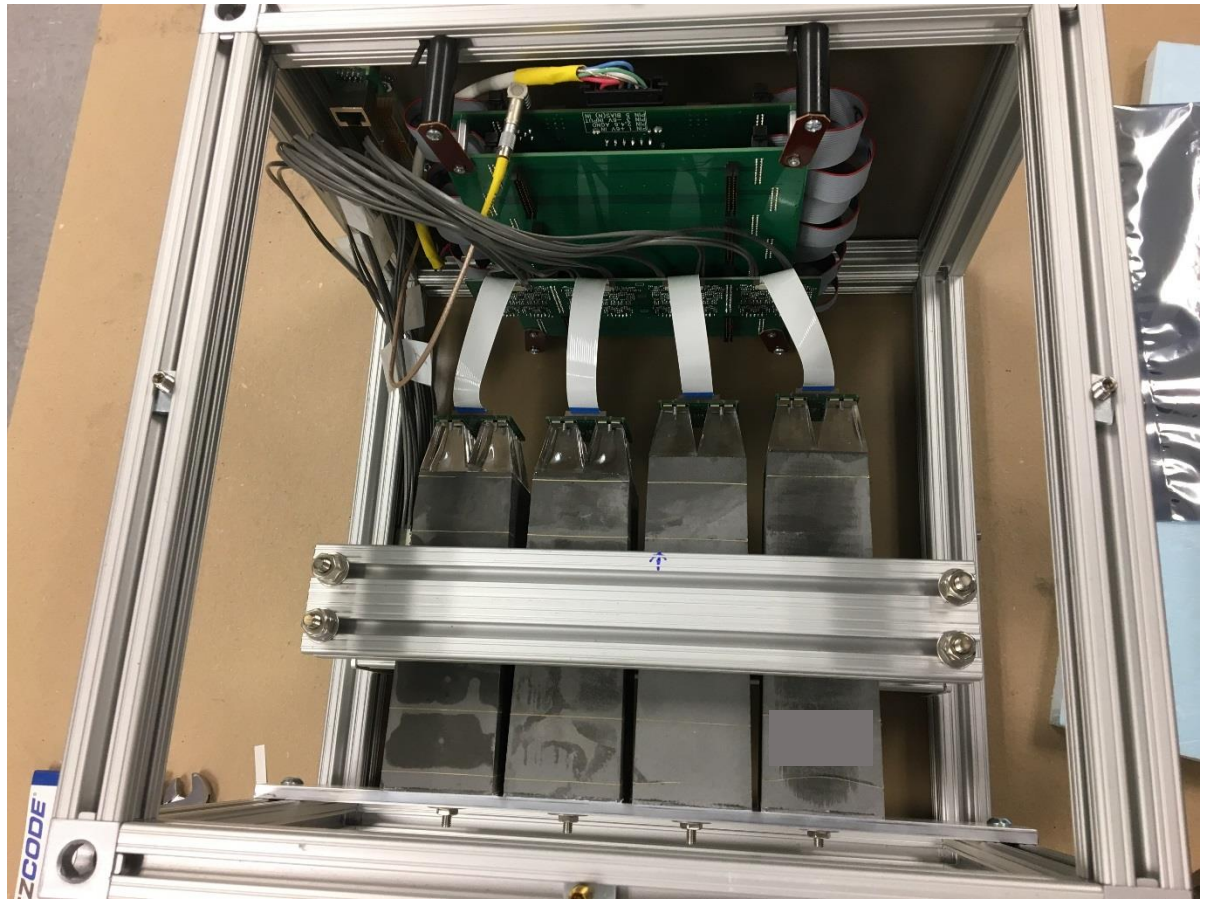
18	16	22	20	26	24	30	28
19	17	**23**	21	27	**25**	31	29
22-4		21-2		SG2		SG1	

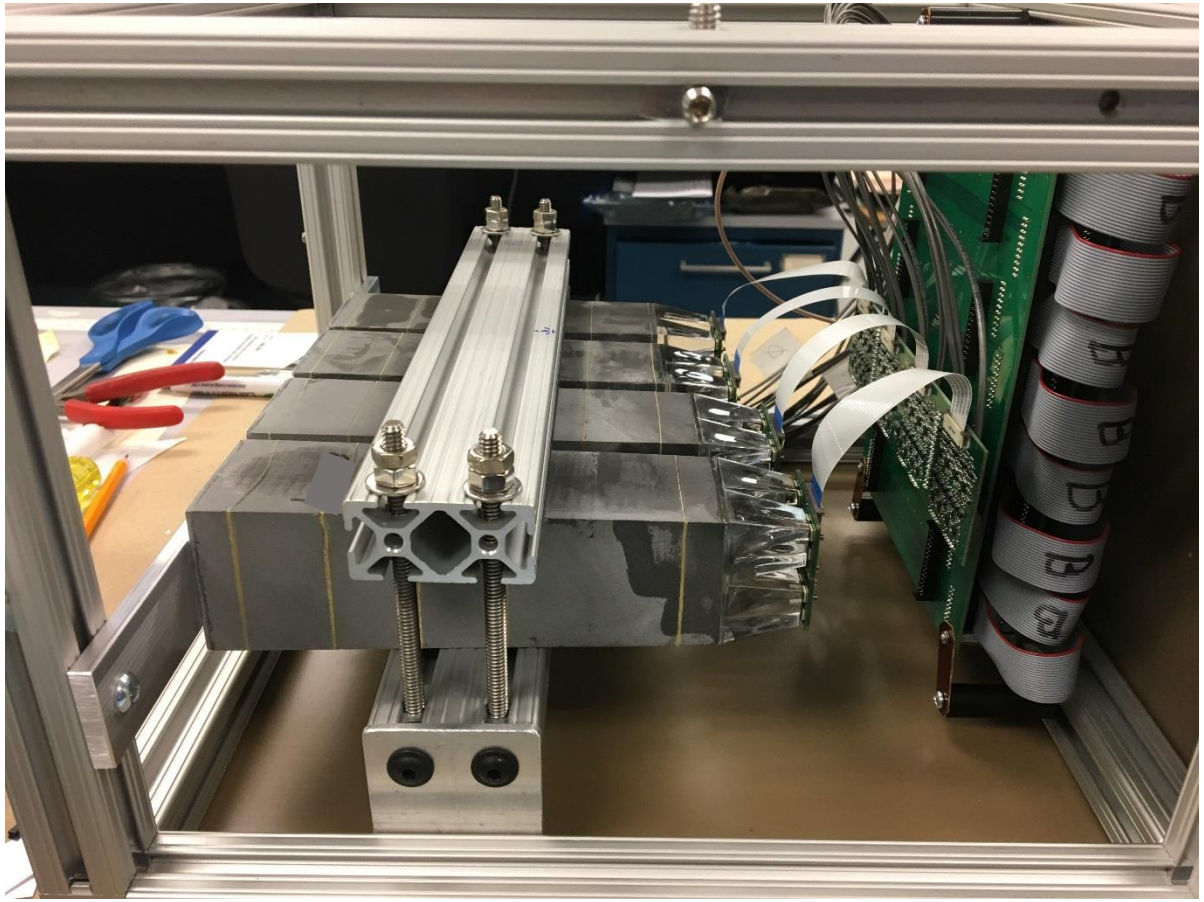
Controller ch#'s

17	19	21	23	25	27	29	31
16	18	**20**	22	24	**26**	28	30
22-4		21-2		SG2		SG1	

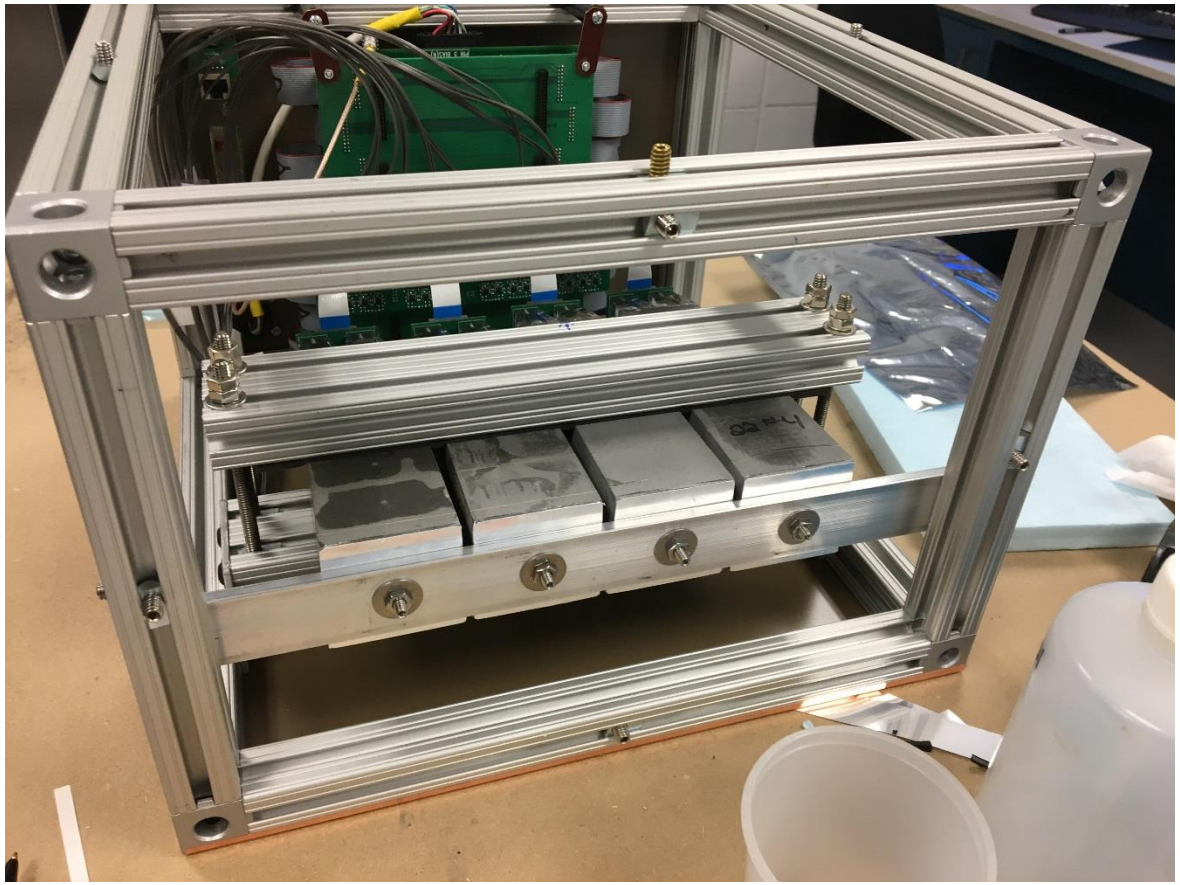


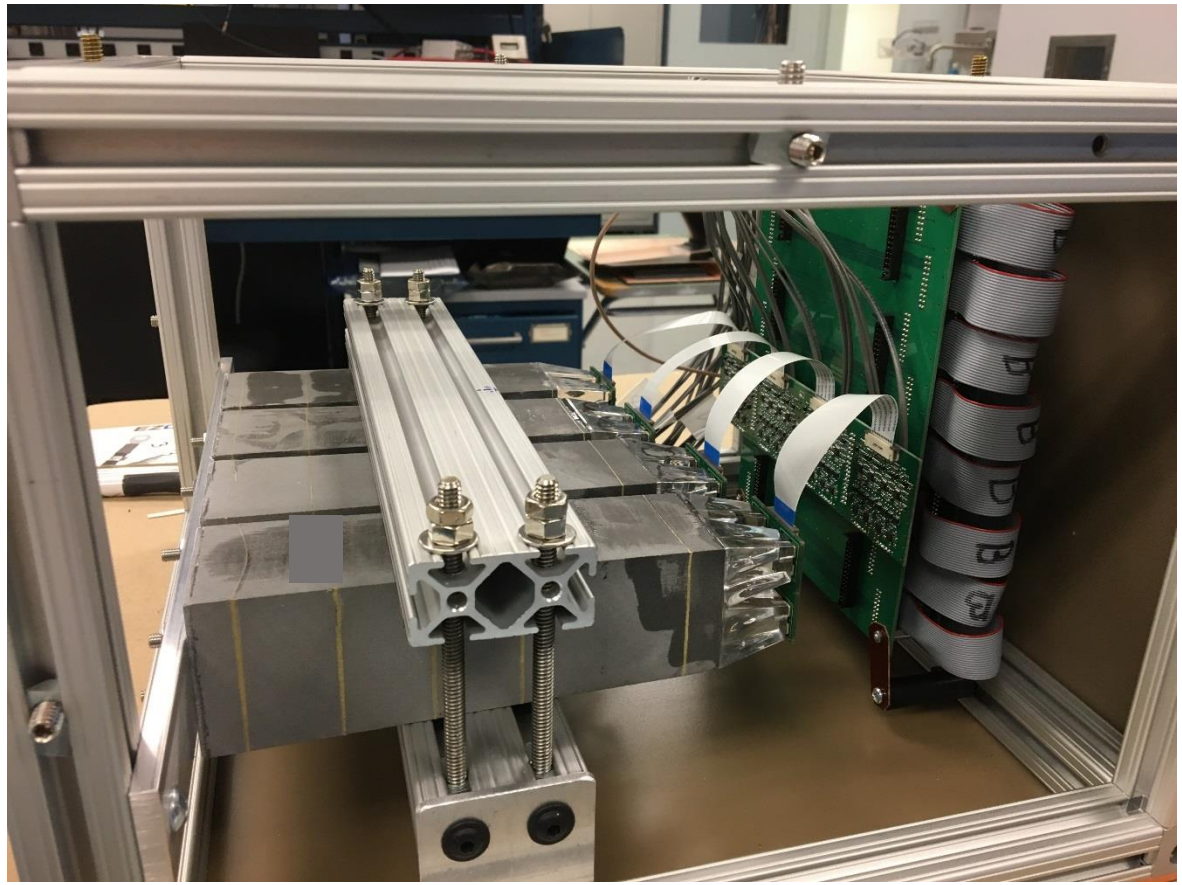
Orientation: like EMC3, but laying on its side.

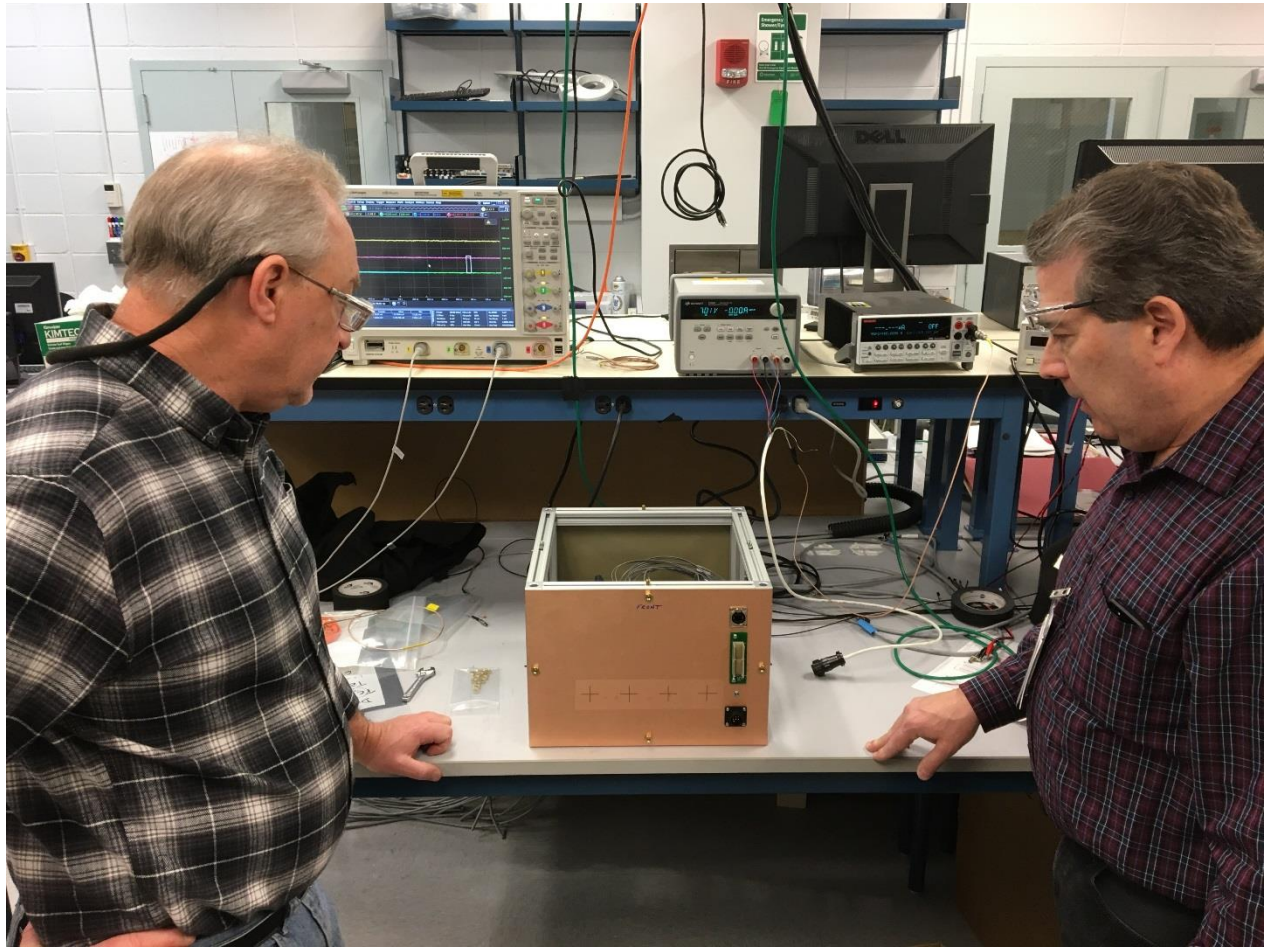




One preamp board plugged into 2nd slot,
So these channels are the equiv of 16-31 in EMC3






DELL
FRONT

FRONT

Density of EMC3 blocks

Block #	Density (g/cc)	
19-1	10.07	
19-2	10.00	
19-3	9.92	
19-4	9.85	
20-1	9.74	
20-2	9.63	
20-3	9.97	(not used)
20-4	9.74	
20-3R	10.09	
21-1	9.83	
21-2	9.75	(not used)
21-3	9.61	
21-4	9.78	
21-2R	10.08	
22-1	9.78	
22-2	9.73	
22-3	9.80	
22-4	9.56	(not used)
22-4R	9.92	
made with		
SG 19-1	9.23	
SG 19-2	9.11	

AVG	9.83	(not incl StG blocks)
MAX	10.09	
min	9.56	
std dev	0.163	
std dev/mean	0.017	
(MAX-min)/mean	0.054	

EMC3

block #	19-1	20-4	21-2R	22-4R
density (g/cc)	10.07	9.74	10.08	9.92
	19-2	20-3R	21-1	22-2
	10.00	10.09	9.83	9.73
	19-4	20-1	21-3	22-3
	9.85	9.74	9.61	9.80
	19-3	20-2	21-4	22-1
	9.92	9.63	9.78	9.78

EMC4

block #	22-4	21-2	19-SG2	19-SG1
density (g/cc)	9.56	9.75	9.11	9.23